

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 March 2001 (29.03.2001)

PCT

(10) International Publication Number
WO 01/22754 A1

(51) International Patent Classification⁷: H04Q 7/26

(21) International Application Number: PCT/IB00/01410

(22) International Filing Date:
20 September 2000 (20.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
99402300.0 20 September 1999 (20.09.1999) EP

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(81) Designated States (national): CA, CN, JP, US.

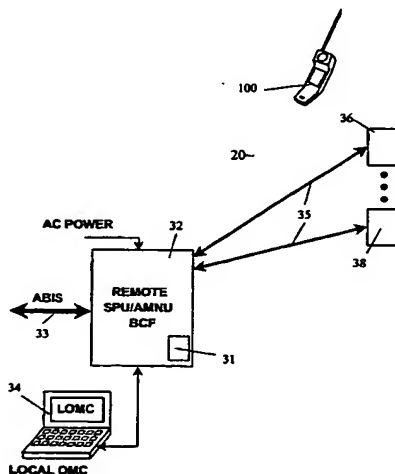
(84) Designated States (regional): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).

Published:

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MOBILE TELECOMMUNICATIONS NETWORK WITH DISTRIBUTED BASE STATIONS



(57) Abstract: A mobile telecommunications local area network (20) is described with a concentrator (32) connected to a plurality of radio heads (36, 38) via a local area network (LAN, 20). The concentrator (32) provides remote control of a local timing signal individually in each radio head. The control may be open loop or closed loop and may be provided through the LAN. The concentrator may also provide digital signal processing (DSP) as a shared resource for the radio heads (36, 38). The DSP may include channel coding. The radio heads (36, 38) may provide modulation for channel coded signals transmitted from the concentrator (32) via the LAN (20). The LAN may be wired LAN or a wireless LAN.

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